

1. A power injector system for use with a magnetic resonance imaging system installed at least in part within an electromagnetic interference shielded room electrically accessible via a penetration panel, the power injector system comprising:

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modifying a power control in a shielded magnet room to electrically couple power transmission conductors of the shielded cables to terminals of a battery receptacle in the power control.

4. The method of claim 3, further comprising:

in the power supply, relaying data signals from a console in the

control room to the data conductors of the electrical

cable outside of the shielded magnet room via a datalink

in the power supply.
5. The method of claim 3, further comprising:

in the power supply, coupling AC electrical power from an AC outlet to an AC
outlet externally mounted on the power supply for powering the console.